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IN THE CLAIMS:

Kindly replace the claims of record with the following full set of claims:

1. (Currently amended) A method for selecting dominant multi-media cues from a number of video segments, comprising the steps of:

calculating a multi-media information probability for each frame of the video segments;

dividing each of the video segments into sub-segments using pre-selected multimedia characteristic;

calculating a probability distribution of multi-media information for each of the sub-segments using the multi-media information for each frame;

combining the probability distribution for each sub-segments segment by averaging the probability distribution for each sub-segment to form a combined probability distribution; and

selecting the multi-media information having the highest combined probability in the combined probability distribution as the dominant multi-media cues.

- 2. (Original) The method of claim 1, wherein the video segments are selected from a group consisting of commercial segments and program segments.
- 3. (Original) The method of claim 1, wherein the dividing video segments into subsegments is performed using close caption information included in the video segments.

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- 4. (Currently amended) The method of claim 1, wherein the combining the probability distribution for each sub-segments is performed by the operation selected from a group consisting of an average [[or]] is selected from the group consisting of: a straight average and a weighted average.
- 5. (Original) The method of claim 1, wherein the combined probability distribution is formed from probability distributions of sub-segments of multiple programs.
- 6. (Original) The method of claim 1, which further includes initially selecting multimedia cues characteristic of a given TV program type or commercial.
- 7. (Currently amended) A method of segmenting and indexing video, comprising the steps of:

selecting program segments from the video;

dividing the program segments into program sub-segments; and

performing genre-based indexing on the program sub-segments using pre-selected

multi-media characteristic of a given genre of program, comprising the steps of:

calculating a probability distribution of multi-media information for each of the sub-segments using the multi-media information for each frame;

combining the probability distribution for each sub- segment by averaging the probability distribution for each sub-segment to form a combined probability distribution; and

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selecting the multi-media information having the highest combined probability in the combined probability distribution as the dominant multi-media cues.

- 8. (Original) The method of claim 7, wherein the selecting program segments is performed using multi-media cues characteristic of a given type of video segment.
- 9. (Original) The method of claim 7, wherein the dividing the program segments into program sub-segments is performed according to closed caption information included in the program segments.
- (Currently amended) The method of claim 7, wherein the genre-based indexing further comprises the steps of includes:

comparing the multi-media cues characteristic of a given genre of program to each of the program sub-segments; and

inserting a tag into one of the program sub-segments if there is a match between one of the multi-media cues and sub-segments.

- 11. (Original) The method of claim 7, which further include performing object-based indexing on the program sub-segments.
- 12. (Previously presented) A method of storing video, comprising the steps of: pre-processing the video; selecting program segments from the video;

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dividing the program segments into program sub-segments;

performing genre-based indexing on the program sub-segments using pre-selected multi-media characteristic of a given genre of program to produce indexed program sub-segments, wherein the genre-based indexing comprises the step of:

calculating a probability distribution of multi-media information for each of the sub-segments using the multi-media information for each frame;

combining the probability distribution for each sub-segment by averaging the probability distribution for each sub-segment to form a combined probability distribution; selecting the multi-media information having the highest combined probability in the combined probability distribution as the dominant multi-media cues; and storing the indexed program sub-segments.

13. (Currently amended) The method of claim 12, wherein the genre-based indexing further comprises the steps of:

includes: comparing the multi-media cues characteristic of a given genre of program to each of the program sub-segments; and

inserting a tag into one of the program sub-segments if there is a match between one of the multi-media cues and sub-segments.

- 14. (Original) The method of claim 12, which further include performing object-based indexing on the program sub-segments.
- 15. (Currently amended) A device for storing video, comprising:

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a pre-processor for pre-processing the video;

a segmenting and indexing unit for selecting program segments from the video, dividing the program segments into program sub-segments and performing genre-based indexing on the program sub-segments using pre-selected multi-media characteristic of a given genre of program to produce indexed program sub-segments, said genre-based indexing comprising the steps of:

calculating a probability distribution of multi-media information for each of the sub-segments using the multi-media information for each frame:

combining the probability distribution for each sub-segment by averaging the probability distribution for each sub-segment to form a combined probability distribution; selecting the multi-media information having the highest combined probability in the combined probability distribution as the dominant multi-media cues; and a storage device for storing the indexed program sub-segments.

16. (Currently amended) The device method of claim 15, wherein the genre-based indexing further comprises the steps of includes

comparing the multi-media cues characteristic of a given genre of program to each of the program sub-segments; and

inserting a tag into one of the program sub-segments if there is a match between one of the multi-media cues and sub-segments.

17. (Currently amended) The device method of claim 15, wherein the segmenting and indexing unit further performs object-based indexing on the program sub-segments.

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- 18. (New) The method of claim 7, wherein the average is selected from the group consisting of: a straight average and a weighted average.
- 19. (New) The method of claim 12, wherein the average is selected from the group consisting of: a straight average and a weighted average.
- 20. (New) The device of claim 15, wherein the average is selected from the group consisting of: a straight average and a weighted average.